BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads at Prakruthi Layout and Shimhadri Layout Main Road and Cross Roads in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

							Estimate Cost Rs.	2500000.00
Description of item	Unit	No	L	B	D	Qty	Rate	Amount
300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the removed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications worth chapter 3. **Page No. 138 / Item No. 10.1 PWD SR 2014-15**	Cum							
Construction of Road Side drains								
Shimhadri Layout		2	76.00	0.45	0.35	23.94		
		2	57.00	0.45	0.35	17.96		
		2	112.00	0.45	0.35	35.28		
		2	124.00	0.45	0.35	39.06		
Prakruthi Layout Main Road		2	260.00	0.45	0.35	81.90		
Cross Road		2	34.00	0.45	0.35	10.71		
Earth Cutting								
Shimhadri Layout		2	76.00	0.90	0.20	27.36		
		2	57.00	0.90	0.20	20.52		
		2	112.00	0.90	0.20	40.32		
		2	124.00	0.90	0.25	55.80		
Prakruthi Layout Main Road		2	260.00	0.90	0.20	93.60		
Cross Road		2	34.00	0.90	0.25	15.30		
						461.75	75.60	**34908.00**
Basic Rate	70.00							
Area Weightage @ 8%	5.60							
Total	**75.60**							
300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the removed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications worth chapter 3. **Page No. 138 / Item No. 10.1 PWD SR 2014-15**	Cum							
Shimhadri Layout		1	76.00	4.50	0.15	51.30		
		1	57.00	5.70	0.15	48.74		
		1	112.00	5.00	0.15	84.00		
		1	124.00	5.00	0.15	93.00		
Prakruthi Layout Main Road		1	260.00	6.00	0.15	234.00		
Cross Road		1	34.00	5.50	0.15	28.05		
						539.09	105.84	**57057.00**
Basic Rate	98.00							
Area Weightage @8%	7.84							
Total	**105.84**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Removing B.S Slab of Drain and stacking Page No. 25 / Item No. 5.32 / PWD SR 2014-15	Sqm							
	Shimhadri Layout		2	38.00		1.35	102.60		
			2	57.00		1.35	153.90		
			2	75.00		1.35	202.50		
			2	80.00		1.35	216.00		
	Prakruthi Layout Main Road		2	95.00		1.35	256.50		
	Cross Road		2	15.00		1.35	40.50		
							972.00	58.32	**56687.00**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
4	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2014-15**	Sqm							
			Qty Vide Item No. 2				**972.00**	75.60	**73483.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
5	KSRRB M300-53: Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 144 / Item No. 19.60 / PWD SR 2014-15**	Cum							
	Prakruthi Layout Main Road		1	260.00	6.00	0.30	468.00		
	Cross Road		1	34.00	5.50	0.30	56.10		
							524.10	220.32	**115470.00**
	Basic Rate	204.00							
	Area Weightage @8%	16.32							
	Total	**220.32**							
6	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **P. 154 / I. 20.18 PWD SR - 2014-15**	Cum							
	Shimhadri Layout		1	76.00	4.50	0.15	51.30		
			1	57.00	5.70	0.15	48.74		
			1	112.00	5.00	0.15	84.00		
			1	124.00	5.00	0.15	93.00		
	Prakruthi Layout Main Road		1	260.00	6.00	0.15	234.00		
	Cross Road		1	34.00	5.50	0.15	28.05		
							539.09	1438.56	**775506.00**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	**1438.56**							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	[illegible] Cleaning the existing [illegible] road surface including removing of [illegible] materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-[illegible] PWDSR 2014-15	Sqm							
	Shimhadri Layout		1	76.00	4.50		342.00		
			1	57.00	5.70		324.90		
			1	112.00	5.00		560.00		
			1	124.00	5.00		620.00		
	Prakruthi Layout Main Road		1	260.00	6.00		1560.00		
	Cross Road		1	34.00	5.50		187.00		
							3593.90	12.20	**43860.00**
	Basic Rate	11.30							
	Area Weightage @ 8%	0.90							
	Total	**12.20**							
8	KSRRB M500-6: **Providing and applying primer coat for surfaces of medium porosity** like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.5 / PWD SR 2014-15**	Sqm							
				Qty Vide Item No. 5			3593.90		
							3593.90	74.52	**267817.00**
	Basic Rate	69.00							
	Area Weightage @ 8%	5.52							
	Total	**74.52**							
9	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. **using 100-120 TPH capacity H.M.P with sensor paver grading II (25-30mm) with 5% CRMB-55 grade, No. 160 / Item No. 21.21.2 / PWD SR 2014-15**	Cum							
	Shimhadri Layout		1	76.00	4.50	0.025	8.55		
			1	57.00	5.70	0.025	8.12		
			1	112.00	5.00	0.025	14.00		
			1	124.00	5.00	0.025	15.50		
	Prakruthi Layout Main Road		1	260.00	6.00	0.025	39.00		
	Cross Road		1	34.00	5.50	0.025	4.68		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							89.85	11070.00	994612.00
	Basic Rate	10250.00							
	Area Weightage @ 8%	820.00							
	Total	11070.00							
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
				Vide Item No. 1+2			750.62	73.57	55223.00
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	73.57							
11	Sub Total								2474623.00
12	Third Party Inspection Charges @ 1%								24746.00
13	Miscesallaneous Charges	L/S							631.00
								Total	2500000.00

(Rupees Twenty Five Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under Dupt Mayor Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Asst. / Jr. Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Sanction for Rs.
Administrative Approval
Accorded for Rs 25.00 lakhs
accorded under head
P2178
registered as CE No. 110A Dt 19.12.14 Subject
Conditions contained in enclosed memo
No. /Dr.
TA SE (BTP) CE (BTP)

Technical Sanction for Rs. 25.00 Lakhs
Twenty Five Lakhs only
P2178
Registered as CE No. 08 22-12-14
to conditions contained
No: 31/14-15 Dr. 22-12-14
AE/JE EE (BTP.Div.)